BOLI SCALE: 2 ZOTES 4" 3'-6" 3'-4" WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM CIVIL POC. USE BOLLARDS FOR PROTECTION FROM HAZARDS OF SIGNIFICANCE. DO NOT USE NEAR ROADWAY WHERE IT IS DANGEROUS TO VEHICLES TRAVELING AT HIGH SPEEDS. NONE ARD 1/2" SLOPE FOR \Box Ш DESIGNER: \geq 4 4 4 †_© CONCRETE (PRIME & PAINT 2 COATS YELLOW, 4" OR 6" SCHEDULE 40 STEEL PIPE FILLED WITH TYP) (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS) (TYP.) PAVEMENT П CONCRETE F'c .00 0.00 0.00 2500 psi -BASE COURSE

KEYED NOTES

GRADED AREA

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CONSULT STRUCTURAL ENGINEER OF RECORD BEFORE POURING CONCRETE FOUNDATION FOR WILL BE WITHIN 18" OF BELOW BOLLARD IF SIDE OF FOUNDATION CONDUITS, ETC.) THAT OCCURS WITHIN THE HEIGHT OF THE FOUNDATION. -GRADE OBJECTS (E.G., PIPES,

ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. SERTED INTO A DRAWING PACK-DRAWING DEVELOPED FOR ML-3/ (REMOVE THIS NOTE WHEN IN-

DATE	8-23-02	9-15-05	1-18-06	
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DESCRIPTION	GENERAL REVISION AND DWG. NO. WAS ST3011.	ADDED KEYED NOTE 1 AND REVISED BOLLARD FOUNDATION PER CALC. NO. TA- 00-CALC-C-CO001-R0 (3"-4" WAS 2"-8" AND 9" WAS 4").	DELETED BOLLARD LOCATION DETAIL AND GENERAL REVISION.	
DWN	RP	RP	RΡ	
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DWN DSGN CHKD SUB APP	NS	₹	MS	
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ENGINEERING DIVISION	DESCRIPTION	GENERAL REVISION AND DWG. NO. WAS ST3011.	BOLLARD FOUNDATION PER CALC. NO. TA- 00-CALC-C-0001-R0 (3'-4" WAS 2'-8" RP GP AND 9" WAS 4").
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PROJECT ID CH.	CLASSIFICATION: U	MATIONAL LABORATORY	\mathcal{P}	DISCIPLINE POC: E. HOTH	TTED X				NGINE	ADTS	DATE	8-23-02	9-15-05	1-18-06
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3 ST-G30GEN-1	REVIEWER: LARRY BAYS	PO Box 1663 Los Alamos, New Mexico 87545	SHEET	STANDARDS MANAGER: TOBIN ORUCH	APPROVED FOR RELEASE		BOLLARD DETAIL		ENGINEERING STANDARDS MANUAL	ENGINEERING DIVISION	DESCRIPTION	GENERAL REVISION AND DWG. NO. WAS ST3011.	ADDED KEYED NOTE 1 AND REVISED BOLLARD FOUNDATION PER CALC. NO, TA-00-CALC-C-0001-RO (3"-4" WAS 2"-8" AND 9" WAS 4").	DELETED BOLLARD LOCATION DETAIL AND GENERAL REVISION.
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